

# **ABSTRACT**

A method and apparatus for detecting the level of red blood cells, plasma or serum, and organic separation gel in a test tube covered with multiple labels is provided. Visible and infrared light beams are projected onto a test tube. The portions of the light beams that pass through the test tube are detected as a function of position along the vertical axis of the test tube. The levels of the interfaces are then calculated from the detected portions.

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